Zefeng (Daniel) Wang

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Availability: July – December 2019

EDUCATION

Northeastern University, Boston, MA   May 2022
Khoury College of Computer Sciences   **GPA:** 3.7/4.0
Candidate for BS in Computer Science & Business Administration (Concentration in Finance), Minor in Mathematics
Relevant Coursework: Algorithms and Data, Object Oriented Design, Fundamentals of Computer Science I & II,
                                   Database Design, Discrete Structures, Linear Algebra, Computer Systems
Honors and Awards: Dean's List, International Scholar, Top 10/Best Rookie A,ward at Hack Beanpot

COMPUTER KNOWLEDGE

Languages: Java, JavaScript (NodeJS, React), SQL, (Familiar with) HTML, CSS, Python, Racket ISL
Tools/Libraries: Babel, Firebase, Gradle, Jest, MacOS, Mocha, NPM, Sequelize, Vim, Yarn,
Miscellaneous: Git, GitHub, JSON, RESTful APIs, XML

EXPERIENCE

BusRight, Inc   *November 2019 - Present*
Backend Web Engineer   Boston, MA
- Migrated the route builder functionality to a more customizable API using NodeJS and Axios HTTP client
- Improved the password reset process by adding API endpoints to get info from Firebase & send via SendGrid
- Enforcing test-driven development through the Mocha testing framework and Chai assertion library

Sandbox at Northeastern   *September 2019 - Present*
Developer   Boston, MA
- Maintaining and improving SearchNEU, a React/Node website that facilitates searching for classes at NEU
- Implementing changes to ensure that data on the site is accurate, durable, and updated for the 42K unique users

HackBeanpot Inc   *May 2019 – Present*
Core Team – Sponsorship   Boston, MA
- Engaged in an agile environment to organize an annual hackathon for approximately 200 Boston students
- Designed a sponsorship packet and worked with dozens of companies to raise ~$20,000 in financial backing
- Led a team of three in revamping the judging system for students' projects to be more holistic and efficient

DoubleBridge Technologies   *July – August 2019*
Mobile App Development Intern   Princeton, NJ
- Researched and presented the use of Android Studio for mobile development in Java to team of three
- Developed an application that performs CRUD operations on a MySQL database through a PHP framework
- Created an Android app that makes API calls asynchronously using REST API and parses through JSON data

PROJECTS

SearchNEU (NodeJS, Cheerio, PostgreSQL)   *September 2019 - Present*
- Rewrote scraper classes that produce info from the colleges' sites with the Cheerio implementation of jQuery
- Moving data to a relational database in PostgreSQL by creating data models using Sequelize
- Refactoring the JavaScript backend and enforcing reliability using the Jest framework and snapshot testing

Emojify (Google Cloud API, Twilio API, Node.JS)   *November 2019*
- Built a program that translates a text message from English into emojis using Twilio's Programmable SMS
- Trained a dataset that classifies content using custom categories with Google's AutoML Natural Language API
- Developed using Node to integrate the Twilio API and send responses based on the result of a Python script

CrimePot (Python, Flask)   *February 2019*
- Implemented Google Maps API with HTML/CSS/JavaScript to place markers representing crimes on a map
- Performed HTTP requests using the Flask microframework to retrieve data from a CKAN action API
- Filtered through the JSON data based on user parameters and then converted to GeoJSON in Python

Interests: hockey, musical performance (drums, clarinet), mahjong, travel, competitive programming